

Work Order ID 81075

81075

Page 1

March-08-12 8:41:00 AM

Item ID: D412-742-013

Accept

N900040100

Setup Start *NS1*

Revision ID:

Item Name: Float Skidtube Installation

Stop *NS2*

Start Date: 08/03/2012 Start Qty: 1.00

1

Cust Item ID:

Required Date: 22/03/2012 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: MLJ

Date: 12/03/08 Tooling:

Date:

Run Start *NR1*

QC:

Date: SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN D412-742	E								
100	DOCUMENT CONTROL	0.00							
100									
DC	Memo	0.00							
Document Control	Photocopy bluefile and create labels per PPP D412-742-013	CHG007							
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

B81091

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: D42-742-03 PAR #: _____ Fault Category: Prod Eng. NCR: Yes No DQA: OK Date: 12/04/04
 Resolution: Revised Disposition: Rework QA: N/C Closed: OK Date: 12/4/11

NCR: <u>121312</u>		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
12/03/30	#100	Parts missing from A w/o pick list to IZN. R.C w/o or Bom not created correctly	S 12/03/30 AST042	ADD missing parts to kit AN4C47A P118451 QTY 4 3X M119798	[Signature]	S 12/03/30	S 12/03/30 AST042	S 12/03/30
				update w/o + Bom. ADD copy of Bom for Ref.			S 12/03/30 AST042	S 12/03/30

NOTE: Date & initial all entries

Work Order ID 81075

81075

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Item ID: D412-742-013

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Item Name: Float Skidtube Installation

Stop ***NS2***

Start Date: 08/03/2012 Start Qty: 1.00

1

Cust Item ID:

Required Date: 22/03/2012 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D412-742-013								
	Location: <u>73</u>								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

12/3/30

12/4/2

12-033

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

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Work Order ID: 81075

81075

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev: A05.10.13 New Issue KJ/JLM
 IPP Rev: B 06-06-08 As per DSI9336 JLM IPP RevC
 07-12-03 ECN 1072 DD verified by: JLM
 IPP Rev: D 08-09-08 ecn 08-510 DD verified by: EC
 IPP Rev: E 09-01-23 as per DSI9441 DD verified by: EC IPP RevF: add
 AN4C7A DD 10.01.13 verified by: EC IPP Rev: G 11.11.01 as per
 DSI9517 REV.B DD verified by: EC IPP rev: H 12.01.12 PER IIN
 REV.E DD VERF:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D412-742-043

D412-742-043

Replacement Float Skidtube

D2571

D2571

Saddle, Fwd Out 205

Manufactured

No

110

Each

0.0000

**

B810918

Manufactured

No

110

Each

10.0000

**

B802288

Location

Loc Qty

Loc Code

ST

1

11644

1

ST425

-13

ST432

9

78239

1

79425

2

79977

6

ST433

13

Manufactured

No

110

Each

6.0000

**

B80783 12/3/28

D2572

D2572

Saddle, Fwd In 205

Location

Loc Qty

Loc Code

ST432

6

71107

2

79978

4

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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Work Order ID: 81075

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Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

D2573

Manufactured No

110

Each

0.0000

D2573

Saddle, Aft Out 205

** 1 1 1380 829 SP

Location

Loc Qty

Loc Code

ST423

-12

79424

0

ST434

12

D2574

Manufactured No

110

Each

0.0000

D2574

Saddle, Aft In 205

** 1 1 B80 830 SP

D2876

Manufactured No

110

Each

103.0000

D2876

Saddle Spacer

** 2 2 SP

Location

Loc Qty

Loc Code

ST020

102

79693

102

ST025

1

76949

1

D2877

Manufactured No

110

Each

53.0000

D2877

Saddle Spacer

** 2 2 122/28 SP

Location

Loc Qty

Loc Code

ST020

53

77052

1

78843

52

2

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ **PAR #:** _____ **Fault Category:** _____ **NCR:** Yes No **DQA:** _____ **Date:** _____
Resolution: _____ **Disposition:** _____ **QA: N/C Closed:** _____ **Date:** _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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Work Order ID: 81075

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

81075

D412-742-013

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

D3403-1

Manufactured No

110 Each

107.0000

D3403-1

Bushing

** 8

f

SP

Location

Loc Qty

Loc Code

ST041

15

70696

15

ST042

92

80208

40

80219

52

8

D3403-5

Manufactured No

110 Each

79.0000

D3403-5

Bushing

** 8

f

SP

Location

Loc Qty

Loc Code

ST042

79

79740

47

80221

32

8

D2747

Manufactured No

110 Each

154.0000

D2747

Set Screw

** 4

f

SP

Location

Loc Qty

Loc Code

ST017

154

77484

54

79520

100

4

D3533-1

Manufactured No

110 Each

98.0000

D3533-1

Set Screw

** 2

2

12/3/08 SP

Location

Loc Qty

Loc Code

ST053

90

80326

90

ST054

8

77611

8

2

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Shop Packet Print

Page 3

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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Work Order ID: 81075

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

81075

D412-742-013

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

AN4C6A

Purchased

No

110

Each

358.0000

AN4C6A

Bolt

**

16

16

M121009

SPB

Location

Loc Qty

Loc Code

FG

4

103344

4

ST356

354

116704

7

119749

47

120423

200

120521

100

AN4C53A

Purchased

No

110

Each

6.0000

AN4C53A

Bolt

**

4

4

M121183

SPB

Location

Loc Qty

Loc Code

ST361

6

120754

6

AN4C52A

Purchased

No

110

Each

168.0000

AN4C52A

BOLT

**

4

4

SPB 12/3/28

SPB

Location

Loc Qty

Loc Code

ST361

168

117688

6

119641

12

120364

100

120465

50

Y

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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Work Order ID: 81075

81075

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

AN6C12A
AN6C12A
BOLT

Purchased No 110 Each 48.0000

8 8
**

Location	Loc Qty	Loc Code
ST341	48	
119862	-2	
120423	50	

D3672-3
D3672-3
Phenolic Washer

Manufactured No 110 Each 706.0000

8
32 32
**
B813705

Location	Loc Qty	Loc Code
ST060	706	
64176	180	
76278	26	
80370	500	

AN960C416L
AN960C416L
WASHER

Purchased No 110 Each 0.0000

32 32
**
M117291

D3672-9
D3672-9
Phenolic Washer

Manufactured No 110 Each 64.0000

8 8
**
B81763

Location	Loc Qty	Loc Code
ST060	64	
35523	64	

NAS1149C0632R
NAS1149C0632R
WASHER

Purchased No 110 Each 75.0000

8 8
**
12/3/288

Location	Loc Qty	Loc Code
ST297	75	
119736	25	
120308	50	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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Work Order ID: 81075

81075

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

D3672-11

Manufactured No

110

Each

411.0000

D3672-11

Phenolic Washer

8 8

**

Location

Loc Qty

Loc Code

ST060

411

77483

411

Purchased

No

110

Each

1,257.000

29

**

MS21043-4

MS21043-4

Nut

Location

Loc Qty

Loc Code

FG

40

104603

40

ST301

1217

119546

435

120308

782

Manufactured

No

110

Each

55.0000

2 2

**

D3591-1

D3591-1

Bushing

Location

Loc Qty

Loc Code

FP

54

77496

14

80377

40

ST055

1

57350

1

Manufactured

No

110

Each

58.0000

8 8

**

D3403-3

D3403-3

Bushing

Location

Loc Qty

Loc Code

ST042

58

80209

6

80220

52

March-08-12 8:41:04 AM

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 81075

81075

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

D3405-041

Manufactured No

110

Each

4.0000

D3405-041

Lug Assembly

**

B78892 SP

Location

Loc Qty

Loc Code

ST478

4

62227

2

77000

2

D3405-043

Manufactured No

110

Each

2.0000

D3405-043

Lug Assembly

**

B78889 SP

Location

Loc Qty

Loc Code

ST423

2

65703

2

AN4C7A

Purchased No

110

Each

219.0000

AN4C7A

Bolt

**

4 4 SP

Location

Loc Qty

Loc Code

ST356

219

109147

219

D3407-041

Manufactured No

110

Each

1.0000

D3407-041

Tow Ring

**

B78877 SP 12/3/08

Location

Loc Qty

Loc Code

ST463

1

76991

1

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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Work Order ID: 81075

81075

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

D3417-3

Manufactured No

110

Each

18.0000

D3417-3

Washer

**

2
sf

81

Location

Loc Qty

Loc Code

FG

9

33519

9

ST042

9

66847

9

Manufactured No

110

Each

89.0000

D3456-1

D3456-1

Washer

**

1
12/3/08

sf
81

Location

Loc Qty

Loc Code

FG

7

25701

7

ST034

16

77486

16

ST044

66

66848

3

71165

2

73493

11

80252

50

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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Picklist Print

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Work Order ID: 81075

81075

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

AN3C37A
AN3C37A
BOLT

Purchased No

110 Each

178.0000

**

Location

Loc Qty

Loc Code

ST354

178

116874

11

117010

2

118709

15

119324

25

120308

25

120422

50

120731

50

AN3C40A
AN3C40A
BOLT

Purchased No

110 Each

49.0000

**

Location

Loc Qty

Loc Code

ST354

49

112454

5

114442

44

AN3C41A
AN3C41A
BOLT

Purchased No

110 Each

144.0000

**

Location

Loc Qty

Loc Code

FG

4

103324

4

ST354

140

119324

16

119530

44

119673

50

120753

30

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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Work Order ID: 81075

81075

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

AN3C42A

Purchased

No

110

Each

47.0000

AN3C42A

BOLT

**

Location

Loc Qty

Loc Code

ST354

47

106176

1

118131

2

119673

19

120464

25

AN3C43A

Purchased

No

110

Each

169.0000

AN3C43A

BOLT

**

Location

Loc Qty

Loc Code

ST354

169

114455

2

119673

1

120364

66

120465

100

AN3C46A

Purchased

No

110

Each

85.0000

AN3C46A

BOLT

**

Location

Loc Qty

Loc Code

ST355

85

119673

5

120447

60

120755

20

AN960C10L

NAS1149C0332
R

Purchased

No

110

Each

0.0000

*AN960C10L *

washer

**

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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Work Order ID: 81075

81075

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 08/03/2012

Required Date: 22/03/2012

Start Qty: 1.00

Required Qty: 1.00

MS21043-3

Purchased

No

110

Each

999.0000

13

13

MS21043-3

Nut

**

6/3/285 SP

Location

Loc Qty

Loc Code

FG

72

103691

72

GA

350

120693

350

ST300

84

119901

84

ST301

493

118077

2

118614

441

118686

30

119758

20

17

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-043	FLOAT SKIDTUBE
		1	D3391-043	412 FLOAT SKIDTUBE
1		*24	*AN3C4A	*BOLT
3		*10	*AN3C6A	*BOLT
4		*4	*AN3C7A	*BOLT
5		*38	*AN960C10L	*WASHER
21		*1	*D4095-041	*WEARSHOE (REPLACES D3564-1)
22		*1	*D4095-043	*WEARSHOE (REPLACES D3564-3)
23		*1	*D4095-045	*WEARSHOE (REPLACES D3564-5)
10		*1	*D3391-021	*412 FORWARD TUBE
11		**1	**D3401-041	**TOW CAP
12A		**10	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
13		**10	**AN3C4A	**BOLT
14A		**4	**D3672-1	**WASHER (REPLACES NAS1515H3L)
14B		**10	**AN960C10L	**WASHER
24		**1	**D4095-051	**WEARSHOE (REPLACES D3564-13)
20		*1	*D3391-023	*412 MID TUBE
28		**20	**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
30		*1	*D3391-025	*412 AFT TUBE
25		**1	*D4095-049	**WEARPAD (REPLACES D3537-1)
26		**1	*D4095-047	**WEARPAD (REPLACES D3537-7)
31		**1	**D2646	**AFT CAP
32		**14	**AELS-1032-130	**INSERT
36		**8	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
37A		**6	**AN3C4A	**BOLT
37B		**4	**AN3C5A	**BOLT
38A		**2	**D3672-1	**WASHER (REPLACES NAS1515H3L)
38B		**10	**AN960C10L	**WASHER

(CONTINUED ON PAGE 20)

(CONTINUED FROM PAGE 19)

Item	Qty -013	Qty -043	Part Number	Description
40	/ 1		D2571	SADDLE, FWD OUTSIDE
41	/ 1		D2572	SADDLE, FWD INSIDE
42	/ 1		D2573	SADDLE, AFT OUTSIDE
43	/ 1		D2574	SADDLE, AFT INSIDE
44	/ 2		D2876	SADDLE SPACER
45	/ 2		D2877	SADDLE SPACER
46A	/ 8		D3403-1	BUSHING
46B	/ 8		D3403-5	BUSHING
47A	/ 4		D2747	SET SCREW
47B	/ 2		D3533-1	SET SCREW
48	/ 16		AN4C6A	BOLT
49A	/ 4		AN4C52A	BOLT
49B	/ 4		AN4C53A	BOLT
50	/ 8		AN6C12A	BOLT
51A	/ 32		D3672-3	WASHER (REPLACES NAS1515H4L)
51B	/ 32		AN960C416L	WASHER
52A	/ 8		D3672-9	WASHER (REPLACES NAS1515H6L)
52B	/ 8		AN960C616L	WASHER
53	/ 8		D3672-11	WASHER (REPLACES NAS1515H7L)
54	/ 24		MS21043-4	NUT
55	/ 4		AN4C7A	BOLT
56	/ 2		D3591-1	BUSHING
60	/ 8		D3403-3	BUSHING
61	/ 1		D3405-041	GHW LUG
62	/ 1		D3405-043	GHW LUG
63	/ 4		AN4C47A	BOLT
64	/ 4		MS21043-4	NUT
70	/ 1		D3407-041	TOW RING
71	/ 2		D3417-3	WASHER
72	/ 1		MS21043-4	NUT
73	/ 1		D3456-1	WASHER
91	/ 1		AN3C37A	BOLT
92	/ 1		AN3C40A	BOLT
93	/ 1		AN3C41A	BOLT
94	/ 1		AN3C42A	BOLT
95	/ 4		AN3C43A	BOLT
97	/ 5		AN3C46A	BOLT
99	/ 26		AN960C10L	WASHER
100	/ 13		MS21043-3	NUT

*DENOTES PART IS INCLUDED WITH D3391-043 ASSEMBLY ABOVE

**DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. E
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 4

REF. FAA STC: SR01583SE
REF. CANADIAN STC: SH05-37
REF. EASA STC: EASA.IM.R.S.01126

REFERENCE ONLY

PURPOSE

For D412-742-011/-013 Float Skidtube Installations, qty(4) AN4C53A bolts may be replaced with qty(4) AN4C52A bolts. Kits may be supplied from Dart with either AN4C52A or AN4C53A bolts.

Note that it is acceptable to use longer or shorter AN4C bolts than those specified, as long as there is a minimum of 1.5 threads in safety.

CHANGE

The parts lists of Installation Instructions IIN-D412-742 Rev. E and Instructions for Continued Airworthiness ICA-D412-742 Rev. 4 is amended as follows:

- 5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (IIN-D412-742)
32.18 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4			AN4C53A OR AN4C52A	BOLT
-----	---	--	--	-----------------------	------

WAS:

49B	4			AN4C53A	BOLT
-----	---	--	--	---------	------

- 5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (IIN-D412-742)
32.19 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4			AN4C53A OR AN4C52A	BOLT
-----	---	--	--	-----------------------	------

WAS:

49B	4			AN4C53A	BOLT
-----	---	--	--	---------	------

A	NEW ISSUE	CP	12.02.28
REV.	DESCRIPTION	BY	DATE
DESIGN	93	DART AEROSPACE USA, INC KENT, WA	
DRAWN	93		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9600	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		BOLT SUBSTITUTION	NTS
DATE	12.02.28	<small>COPYRIGHT © 2012 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	